CALL FOR PROJECTS FOR THE SEVENTH CYCLE OF THE
***TransNet* ENVIRONMENTAL MITIGATION PROGRAM (EMP)**
LAND MANAGEMENT GRANT PROGRAM
GRANT APPLICATION FORM

Grant Application Form and required supplementary materials (hereafter referred to as "proposal") cannot exceed twelve (12) pages)

Applicant Name: City of Chula Vista

Address: 276 Fourth Avenue, Chula Vista, CA 91910

Phone and Email Address: (619) 476-2329 / glaube@chulavistaca.gov

Name of Property: Otay Ranch Preserve Management Area (PMA)

General Location: Otay River Valley and Salt Creek (MSP MU3)

Jurisdiction: City of Chula Vista

Total Acres: 2,742 acres (portion of Otay Ranch PMA within Chula Vista)

Estimated Acres Requiring Management: 10 acres

Owner(s) of Property: City of Chula Vista

Land manager(s) of property (include name(s)): The Otay Ranch PMA is jointly managed by the City of Chula Vista and County of San Diego as the Preserve/Owner Manger.

Proposal is submitted for consideration under the following eligible activity area (must identify one eligible activity that best characterizes the proposed project):

☒ Maintenance and Enhancement of Extant Populations of Management Strategic Plan for Conserved Lands in Western San Diego County (MSP) Species and their Habitats

☐ Threat Reduction to MSP Species and their Habitats from Invasive Species and Wildfires

☐ Habitat Maintenance, Access Control/Management, and Volunteer Coordination

Brief Project Summary that includes your primary goal and objectives(200-word maximum)
The goal of the project is to increase the amount of suitable habitat and improve connectivity for the coastal cactus wren (MSP Category SO [species whose persistence of one or more significant occurrences in the MSP area is at high risk of loss without immediate management action above and beyond that of daily maintenance activities]) along Otay River Valley and Salt Creek through restoration and enhancement of degraded habitat areas. This program addresses the immediate needs of coastal cactus wren within Otay River Valley and Salt Creek where loss and degradation of existing wren habitat has occurred due to historical cattle grazing, increase of invasive plant species, unauthorized off-road vehicle use, drought and vegetation succession processes. Activities included in this program include invasive species control with follow-up herbicide treatments, shrub thinning, collecting and planting coast cholla and coast prickly pear cuttings, native grass and forb seed collection and redistribution, vegetation monitoring, and focused cactus wren monitoring. The methodologies use in conjunction with this proposal are similar to those used to successfully restore 27 acres of low-quality coastal cactus wren habitat located in Wolf Canyon (Otay Ranch Preserve), 9 acres in Rice Canyon (EMP Grant #5001130), and 15 acres in lower Salt Creek (EMP Grant #5001970). This project is consistent with the management efforts and goals and objectives prescribed in SDMMPs Management Strategic Plan (MSP Vol. 2, Table 2-2.9).

Quantify Expected Results (add bullets as necessary)

- Restore and enhance degraded habitat for coastal cactus wrens within approximately 3 acres of Otay River Valley (Otay Ranch Preserve – Millenia Parcels) and 7 acres of Salt Creek (Otay Ranch Preserve – Salt Creek Parcels)
- Reduce the risk of cactus wren habitat loss from fires
- Reduce weed infestation
- Remove invasive seed sources that can migrate to adjacent sensitive habitat areas
- Improve connectivity within an existing avian wildlife corridor by complementing similar coastal cactus wren projects in the vicinity: County of San Diego (EMP Grant), City of Chula Vista (EMP Grant), Caltrans (Johnson Canyon Mitigation Site)

Brief Description of dedicated staff and/or consultants that would work on Project (200-word maximum)

Chula Vista MSCP staff will be utilized to administer the overall implementation of the project in accordance with the terms and conditions specified in SANDAG's standard contract. A qualified biological consultant, familiar with the Chula Vista MSCP Subarea Plan, Otay Ranch Resource Management Plan, and the SDMMP MSP will be retained by the City to perform the restoration and enhancement activities described in Exhibit A of this proposal. To be considered for this project, prospective biological consultants shall demonstrate to City MSCP staff under the direct oversight of the City's Development Services Director that they possess the necessary biological technical services to successfully implement the City's coastal cactus wren habitat restoration project detailed in Exhibit A of this grant proposal.

Funding Needs Summary

1. Please indicate how much funding is being requested from SANDAG and any matching funding proposed:

Budget Item	Requested Funding Amount	Proposed Matching Funds*	Description
Personnel Expenses Staff	$0	$0	Includes staff time for non-administrative work on the project
Personnel Administrative Expenses	$0	$3,744	Includes all staff time to administer the contract
Consultant Expenses	$189,836	$0	Includes all costs for consultant services
Other Direct Expenses	$0	$0	Includes all equipment, supplies, mileage, etc.
Indirect Costs[1]	$0	$0	All indirect charges (e.g., overhead) on the project, if any.
Totals	**$189,836**	**$3,744**	

*if applicable

2. Are there matching funds available?

☒ Yes ☐ No

If yes, how are the matching funds assured (100-word maximum)?
The City will contribute to the project through the use of in-kind resources, more specifically, through the use of City staff time. City staff will be utilized to implement the proposed project, public outreach, and to administer consultant contracts. City staff time for this project, and all MSCP related projects, is assured due to the City's obligation to implement the provisions of the Chula Vista MSCP Subarea Plan pursuant to the Implementing Agreement between the Wildlife Agencies and the City of Chula Vista.

PROJECT PROPOSAL

The proposal will include (A) the purpose of the project, (B) the scope of work by tasks, (C) the proposed budget, including matching funds, by task, and (D) a schedule for each task. Applicants must clearly identify their proposed tasks in the scope of work, funding requested for

[3] Indirect Costs are only allowable if: (1) applicant has an indirect cost allocation audit approved by a qualified independent auditor or (2) the applicant's proposed method for allocating indirect costs is submitted with the proposal in accordance with OMB guidelines and approved by SANDAG. Indirect costs will not be reimbursed until one of the two conditions above are satisfied and indirect cost allocation plans must be renewed annually.

each task (please identify staff hours and cost separately from consultant costs), start and end dates of the tasks, and deliverables. **Applicants are encouraged to identify phasing and prioritization of tasks in their proposal in case full funding for the project is not available**.

A. Project Purpose

Address the following in the proposal.

1. Describe the proposed management activity(ies) and how it relates to the Management Strategic Plan for Conserved Lands in Western San Diego County (MSP). Is there current management occurring or has past management occurred (please describe)? If the proposed management activity will continue or expand on previous efforts funded by *TransNet*, please describe how it will be coordinated. If the proposed management activity is based on the results from past field inspections of the species occurrence, describe the conditions and management needs identified and whether or not the data has been provided to the SDMMP. If implementing fire management actions, describe the management technique being used and whether a fire plan currently exists. The City is proposing to implement a multi-year species-specific management program focused on restoring and enhancing approximately 10 acres of degraded habitat for the coastal cactus wren, a Covered Species under the City's MSCP Subarea Plan and a listed MSP sensitive species (Category SO). This program addresses the immediate needs of the coastal cactus wren within the Otay River Valley and Salt Creek where loss and degradation of existing coastal cactus wren habitat has occurred due to historical cattle grazing, increase of invasive plant species, unauthorized off-road vehicle use, drought, and vegetation succession processes. The proposed 3-acre restoration area within Otay River Valley occurs within the Otay Ranch Preserve - Millenia Parcels along the western edge of Johnson Canyon within sight of habitat occupied by coastal cactus wren. In spring 2014, one cactus wren was observed within the Millenia Parcels near the proposed 3-acre restoration area. The proposed 7-acre restoration area within Salt Creek occurs within and adjacent to habitat occupied by coastal cactus wren. Activities included in this grant proposal that will benefit sensitive vegetation communities and species include intensive exotic species control with follow-up herbicide treatments, collecting and planting coast cholla and coast prickly pear cuttings to expand habitat, native grass and forb seed collection and redistribution, vegetation monitoring, and focused monitoring surveys for the coastal cactus wren in the treatment areas. The methodologies used in conjunction with this proposal are similar to those used to successfully restore 27 acres of low-quality coastal cactus wren habitat located in Wolf Canyon (Otay Ranch Preserve) that have enabled coastal cactus wrens to move into and begin nesting in areas formerly dominated by weeds. Currently, 15 acres of degraded coastal cactus wren habitat in Salt Creek is being restored using the same methodology and will be completed in August 2015 (Chula Vista/SANDAG Agreement #5001970, refer to Figure 1).

2. Which MSP species and their habitats will benefit from the proposed management activity? Which specific MSP objective(s) and action(s) will be implemented (please reference the relevant MSP volume and page number)? Name the specific MSP species occurrence(s) to benefit from the management activity, if applicable. This project proposes maritime succulent scrub habitat restoration and enhancement activities within Otay River Valley and Salt Creek to improve connectivity, increase suitable habitat patches, reduce the risk of fire, and reduce the risk of extirpation or a population bottleneck of coastal cactus wren within this area. The population of coastal cactus wrens within the Otay River Valley and Salt Creek are part of the Otay River genetic cluster which has been identified by the MSP as being at high risk of genetic diversity loss (MSP Vol. 2, page 2-157 and Vol. 2 Table 2-2.9).

3. Is the proposed project within the MSP area (MSPA)? In which Management Unit (MU) is the project located? The proposed project is located within MU3.

4. Describe the stressors and/or threats to the MSP species and their habitats in the project area that will be addressed through implementation of this project proposal. Recent site reconnaissance performed in conjunction with this grant proposal identified the presence of several invasive species within the project area including annual grasses and forbs, such as bromes, wild oats, ryegrass, filaree, and black mustard. These invasive species compete for light and water that would otherwise support existing coast cholla patches. In addition, native shrubs such as lemonadeberry, are also capable of outcompeting cholla and over time may dominate areas formerly occupied by coast cholla. At the end of the growing season, these non-natives dry out and provide potential fuel for wildfires. Combined with native shrubs, this standing biomass may increase the intensity of future fires around coast cholla patches. If fires are of sufficient heat intensity, coast chollas may be killed or severely damaged. If that occurs, recovery of the coast cholla patches may not be possible or will take many years without management intervention. After the 2003 and 2007 wildfires, regional populations of coastal cactus wrens have severely declined due to lack of suitable nesting and foraging habitat.

   Compounding the threats associated with invasive species and wildfires, past disturbance of the area (i.e., off-highway vehicle use and historical grazing) have also reduced the diversity of native plants, including fruit bearing species such as prickly pear cactus that wrens depend on for food during the late summer and fall when insect populations are lower. In order to increase the diversity and abundance of insects for cactus wrens, native grass and forb seed will be collected from the surrounding preserve and redistributed within or adjacent to the restoration areas. Suitable species for collection and redistribution include, but are not

limited to chia (*Salvia columbariae*), golden tarplant (*Deinandra fasciculata*), common goldenfields (*Lasthenia gracilis*), cryptantha (*Cryptantha* sp.), littleseed muhly (*Muhlenbergia microsperma*), foothill needlegrass (*Stipa lepida*), and canchelagua (*Zeltnera venusta*).

5. Describe the management techniques proposed, including whether they have been previously used successfully and where. Are there any negative effects to MSP and other sensitive species and their habitats that could result from the proposed management action? The methods outlined in this scope of work are similar to those used to restore 27 acres of highly degraded cactus wren habitat in Wolf Canyon, Otay Ranch Preserve. The success of that project has enabled cactus wrens to move into and begin nesting in the restoration area formerly dominated by weeds. Consistent with the successful efforts in Wolf Canyon, the methods proposed though this program involve intensive removal of invasive species, herbicide treatment, collection and dispersal of coast cholla cuttings, and routine maintenance.

   The potential restoration and enhancement areas within Salt Creek are similar to the pre-restoration conditions located within Wolf Canyon and, based on previous biological surveys, focus on areas historically known to be occupied by coastal cactus wren. As illustrated on Figure 1, suitable restoration/enhancement areas identified for this grant proposal are located immediately adjacent to each other, which will facilitate dispersal of birds between restored and existing habitat patches. This project is also consistent with the management efforts prescribed in the City's MSCP Subarea Plan and Otay Ranch RMP. The City's MSCP Subarea Plan has been prepared to meet the requirements of the NCCP and serves to implement the San Diego County MSCP Subregional Plan for the regional preservation of natural vegetation communities. Implementation of City's MSCP Subarea Plan and Otay Ranch RMP will ensure that the biological value of the Preserve is maintained and protected in perpetuity. To ensure no negative effects to coastal cactus wren occur, all use of weed whips and shrub thinning will be done outside of the breeding season (i.e., February 15th through August 15th). Additionally, the project biologist will clearly flag shrubs intended for removal prior to implementation and will monitor the thinning work to minimize impacts to adjacent sensitive species and vegetation communities.

6. What strategic approach will be used to ensure the successful, long-term outcome of the proposed project (e.g. upstream exotic removal prior to downstream, future on-going maintenance)? Which adjacent conserved lands will not be included and why? The scope of work for this project includes pre-implementation monitoring such as delineation of the areas for restoration and enhancement both as GIS data/map and in the field. Survey data collected between 2010 and 2015 will be used to establish baseline conditions for coastal cactus wren. Focused coastal cactus wren surveys will be performed annually in the spring to assess wildlife use of the sites, weed control and coast cholla planting efforts. In addition, repeat photos will be taken each year to provide a visual record of changes in the density and distribution of coast cholla patches.

   Restoration and enhancement will begin by thinning areas dominated by non-native annuals by dethatching. Dethatching includes cutting dried weedy material and removing it from the site. Re-growth of non-native annuals will also be treated with herbicide prior to seed set. Selected shrubs will also be cut and removed around existing cholla patches of nesting size to reduce fire risk and to increase openings in maritime succulent scrub habitat for use by foraging cactus wren and other wildlife. Immediately after cutting large shrubs the stumps will be treated with herbicide (garlon and/or glyphosate) to prevent regrowth.

   Coast cholla cuttings within the immediate area will be collected and planted in newly opened areas. Where feasible, native brush generated from thinning efforts will be used to close unauthorized trails and to create additional wildlife habitat in degraded areas. The enhancement sites will be maintained, monitored, and reported on over a 3-year period. Maintenance and monitoring activities that will be performed over the 3-year program include: follow-up weed control, repeat photographs from the established photo point locations, focused cactus wren surveys, and ground cover estimates using the relevé method. Following the initial 3-year establishment period, long-term management of the site will be the responsibility of the Otay Ranch Preserve/Owner Manger (POM). Funding for the long-term maintenance is secured through an existing Community Facilities District (CFD).

   The City's proposal is in-line with the recovery strategies identified in SDMMPs MSP MSP (Vol. 2, Table 2-2.9) and the ongoing efforts promoted through the ad-hoc "cactus wren recovery team" comprised of representatives from each of the Southern California coastal counties, Wildlife Agencies, and science advisory groups. In addition, the City's proposal will continue and expand upon similar coastal cactus wren recovery efforts initiated by the City of Chula Vista (EMP Grant 5001970 ending summer 2015) and the County of San Diego's Parks and Recreation Department EMP Grant which ended in the summer of 2014). Figure 1 identifies the location of the areas associated with previous EMP grant efforts relative to the potential restoration locations proposed through this grant proposal. It is important to note that there will be no overlap or duplicative efforts expended between this new proposal and previously approved EMP grants. The combined results of these efforts are essential for the prolongation of the coastal cactus wren populations and would reduce the risk of potential extirpation of this species.

   Adjacent lands not selected for this project include: Preserve areas under private ownership to the west; Chula Vista owned and managed Preserve areas to the North; the Otay Lakes Reservoir and Water Treatment Facility to the east; a state prison and CalTrans mitigation site (Lone Star) to the south. The open space lands located to the west are associated with the Otay Ranch Preserve; however, they are under private ownership and have not been yet been formally dedicated into the City's preserve

system. Until these lands are conveyed, the property owner is responsible for maintaining the integrity of existing resources. In light of this, the City cannot guarantee post-grant maintenance and monitoring within private lands until those areas have been formally dedicated in fee. Open Space Preserve areas to the north were not selected to avoid potential overlap with an on-going County of San Diego/SANDAG cactus wren habitat restoration grant. Areas to the immediate east and south were not selected due to lack of suitable habitat and/or development (i.e., Otay Lakes Reservoir and Water Treatment Facility and state prison, respectively).

7. What are the goals and objectives for the proposed project? What criteria/metrics will be used to measure success? If applicable, what quantitative monitoring data will be collected to evaluate success? Who will be collecting the monitoring data and what are their qualifications? The proposed project implements specific SDMMP MSP MU3 goals and objectives for cactus wren populations by increasing coast cholla patch sizes, density and connectivity within portions of the Salt Creek and Otay River Valley. The population of coastal cactus wrens within Salt Creek and the Otay River Valley are part of the Otay River genetic cluster which is a core population and high priority for management. This will be accomplished through the selective thinning of native shrubs and exotic annuals that are directly competing with coast cholla to the detriment of cactus wren populations, intensive follow-up weed treatment, cactus cutting and planting, and native grass and forb seed redistribution. Focused surveys for the coastal cactus wren will be conducted annually in the spring to assess wildlife use of the enhancement areas. Annual estimates of shrub and weed cover and density of coast cholla will be conducted using the relevé method. Repeat photographs will be taken annually to provide a visual record of changes in the density and distribution of coast cholla patches. The consulting biologist will collect the data and will have experience in both vegetation sampling and coastal cactus wren monitoring.

8. How would the proposed project involve public outreach/public participation, volunteers and/or community events to highlight the land management activities being funded and promote awareness of the grant-funded project? Please quantify your response as much as possible. The City would inform and promote the conservation efforts funded through this project through presentations to City Council and local community groups including the Otay River Valley Park Citizens Advisory Committee (CAC). Through these meetings MSCP staff would discuss restoration and enhancement methodologies, conservation techniques, and the results of our active management efforts in an effort to provide meaningful educational information to the public about the importance of habitat conservation and how it adds to their quality of life.

   This project would provide public outreach through partnership with the California Native Plant Society (CNPS). In year 1, the project biologist will partner with the CNPS Vegetation Committee to host a training for CNPS volunteers to learn vegetation surveying using the relevé method within maritime succulent scrub habitat. Through this training, CNPS volunteers will gather baseline vegetation data prior to restoration and enhancement activities.

9. How will the applicant manage the data collected? What software will be used to house the data? Who will be responsible for compiling and transferring the data to SANDAG? Who will be preparing the required quarterly, final, and all other reports? Data will be collected on GPS units, compiled using ArcGIS, and submitted to SanBIOS by a qualified biologist. The City will prepare and submit quarterly progress reports to SANDAG as well as transfer data to SANDAG.

10. Has the proposed project received *TransNet* EMP funds previously? If so, what was accomplished with the funds and why are additional funds being requested? No prior EMP funds have been allocated to this specific project.

11. Is the proposed activity being done on land that was previously set aside as mitigation? If yes, please elaborate. Areas selected for this project are all located within the Otay Ranch Preserve. The Otay Ranch Preserve is an 11,375-acre habitat conservation area established by the Otay Ranch General Development Plan and associated Phase 1 Resource Management Plan.

B. Scope of Work by Task

Please break down the proposal into discrete tasks and include a task name, description of each task, quantifiable expected results, and discrete deliverables for each task. Note: make sure to list tasks for quarterly reporting on the status of the grant project and a final report on the outcome of the grant project. The applicant should choose one of the three eligible activities, described in the call for projects, that best characterizes their project for consideration under this grant program and list tasks that further the objectives of the selected activity. You may add or subtract rows as needed.

Exhibit A – Proposed Project Scope of Work

Task #	Task Name	Task Description	Quantifiable Results/Deliverables
1a-d	Implementation and Maintenance	Implementation and Maintenance tasks will include restoration activities for the implementation and maintenance phases of this project, including site preparation, cactus collection and planting, seed collection and redistribution, and follow-up maintenance.	See implementing subtasks below.
1a	Site Preparation	Based on the results of the pre-implementation monitoring, dethatching and/or shrub thinning shall occur in areas dominated by non-native annuals and/or native shrubs where appropriate. Dethatched plant material will be raked up and composted on site.	Dethatching of non-natives and shrub thinning will remove biomass that will reduce the risk of fire.
1b	Cactus Collection and Planting	Collect coast cholla and coast prickly pear cuttings from adjacent Preserve areas and plant in newly dethatched areas and existing open areas.	Planting of coast cholla and prickly pear will increase available habitat for coastal cactus wrens.
1c	Seed Collection and Redistribution	Native grass and forb seed shall be collected from the adjacent Preserve areas and redistributed within the restoration areas.	Seed redistribution will increase native cover that support insect prey items for coastal cactus wren.
1d	Follow-up Maintenance	Newly germinated weeds will be controlled using glyphosate prior to seed set.	Follow-up weed control will reduce non-native cover and competition with native species for water and light.
2a-e	Project Monitoring	Project Monitoring tasks will include all monitoring activities including pre-implementation monitoring, focused coastal cactus wren surveys, and follow-up vegetation monitoring.	See implementing subtasks below.
2a	Pre-implementation Monitoring (Field Assessment)	Prior to implementation, the project biologist shall conduct a field assessment within the project area to confirm areas best suited for restoration and/or enhancement. Areas best suited for restoration include open areas with lower shrub cover located adjacent to existing nesting size coast cholla patches. In addition, new patches of cholla will be created nearby existing patches to produce more nesting sized plants over the long-term.	The results of the pre-implementation monitoring will be used in the restoration site selection process to restore as much cactus wren habitat as possible with the available funding.
2b	Pre-implementation Monitoring (Cactus Wren Survey)	Prior to initiating vegetation weeding/thinning activities, a qualified biologist will determine which habitat patches are occupied by coastal cactus wrens in the specific habitat patches identified for restoration and enhancement. Locations of wrens and their nests will be recorded using a GPS.	The results of the pre-implementation survey will provide a baseline condition to compare to the cactus wren usage at the end of the three-year restoration program.
2c	Pre-implementation Monitoring (Photo Monitoring)	Permanent photo points will be established at each restoration and enhancement area to document weed control and coast cholla planting efforts. Photos will be taken annually from the established photo points to provide a visual record of changes in the density and distribution of shrubs and coast cholla patches	The results of the pre-implementation photo monitoring will be used a visual baseline to compare to the site conditions the end of the three-year restoration program.
2d	Focused Coastal Cactus Wren Surveys	Focused surveys for the coastal Cactus Wren will be performed annually to assess wildlife use of the restoration and enhancement areas.	Focused surveys for the coastal Cactus Wren will be performed detect changes in cactus wren use of the restoration and enhancement areas.
2e	Follow-up Vegetation Monitoring	Vegetation cover will be estimated using the relevé method.	. Vegetation monitoring will be conducted

			annually to assess changes in the native and non-native cover during the three-year project
3a-c	Reporting	Reporting tasks will include project deliverables such as quarterly progress reports, annual reports, and the final report. Reporting periods/submittals will coincide with SANDAG's required quarterly invoice timeframes and will summarize enhancement efforts and monitoring results, as described in the deliverables.	See implementing subtasks below.
3a	Quarterly Reports	Quarterly progress reports will be prepared and submitted to SANDAG to document enhancement activities.	Three quarterly progress reports will be submitted that provide a status update for each task performed each year
3b	Annual Reports	Annual reports will summarize enhancement efforts and monitoring results (Annual Report will also serve as the fourth quarterly progress report). The report will include management recommendations for the following season.	An annual report will be prepared that summarizes the results of the maintenance and monitoring tasks performed each year. The annual report will include representative photos of the work performed.
3c	Final Report (Year 3)	The final report (Year 3) will discuss monitoring results and will include a discussion of future management needs for coastal cactus wren in the restoration and enhancement areas as well as the surrounding Preserve. The Final Report will also serve as the fourth quarterly progress report and annual report for year 3 of the project.	The final report (Year 3) will discuss maintenance and monitoring results. The final report will also include a discussion of future management needs for coastal cactus wren in the restoration and enhancement areas as well as the surrounding Preserve.
4	Misc. Consultant Expenses	This task will include miscellaneous consultant expenses associated with herbicide, a truck mounted skid sprayer rental for applying herbicide, Trimble GPS rental, and printing. The herbicide and equipment required for weed treatment and shrub thinning as described in Tasks 1a and 1d. GPS and printing as described in Tasks 2a-e.	This task budget will allow for the purchase of herbicide for controlling non-natives. The GPS equipment will be used for mapping restoration areas and sensitive species locations used in the annual reports.
5	City of Chula Vista Administration	City of Chula Vista Administration tasks will include a variety of coordination and administration tasks to be completed by the City of Chula Vista throughout the duration of the project.	Matching funds will be used to: ▪Coordinate with CNPS. ▪Update the City's MSCP web page. ▪Participate in local community group meetings. ▪Oversee the biological contractor. ▪Review and submit quarterly reports. Contract administration/invoice review.

C. Budget by Task

Please include a specific budget for each task described in the Scope of Work (section B above). This should include both requested SANDAG funds and any matching funds proposed. If matching funds are proposed, please distribute the match commitment proportionately[1]. For projects requesting funding for more than one year, please indicate the requested funding and match for each year. Applicants are encouraged to identify phasing in their proposal in case full funding for the project is not available. You may add or subtract rows and columns as needed. **This grant program is intended to fund existing gaps of land management and will not cover on-going annual costs within applicant's organization**.

Exhibit B – Proposed Project Budget

Task #/Task Name	Year 1 Grant Request	Year 1 Matching Funds	Year 2 Grant Request	Year 2 Matching Funds	Year 3 Grant Request	Year 3 Matching Funds	Total Grant Request	Total Matching Funds	Total Project Cost
1a-d Implementation and Maintenance	**$75,617**	**$0**	**$30,494**	**$0**	**$25,169**	**$0**	**$131,280**	**$0**	**$131,280**
1a: Site Preparation	$13,673	$0	$0	$0	$0	$0	$13,673	$0	$13,673
1b: Cactus Collection and Planting	$25,635	$0	$0	$0	$0	$0	$25,635	$0	$25,635
1c: Seed Collection and Redistribution	$4,719	$0	$4,719	$0	$2,944	$0	$12,382	$0	$12,382
1d: Follow-up Maintenance	$31,590	$0	$25,775	$0	$22,225	$0	$79,590	$0	$79,590
2a-e: Project Monitoring	**$11,438**	**$0**	**$6,187**	**$0**	**$6,187**	**$0**	**$23,812**	**$0**	**$23,812**
2a: Pre-implementation Monitoring (Field Assessment)	$4,176	$0	$0	$0	$0	$0	$4,176	$0	$4,176
2b: Pre-implementation Monitoring (Cactus Wren Survey)	$1,075	$0	$0	$0	$0	$0	$1,075	$0	$1,075
2c: Pre-implementation Monitoring (Photo Monitoring)	$2,547	$0	$2,547	$0	$2,547	$0	$7,641	$0	$7,641
2d: Focused Coastal Cactus Wren Surveys	$1,075	$0	$1,075	$0	$1,075	$0	$3,225	$0	$3,225
2e: Follow-up Vegetation Monitoring	$2,565		$2,565		$2,565		$7,695	$0	$7,695
3a-c: Reporting	**$9,988**	**$0**	**$9,988**	**$0**	**$10,868**	**$0**	**$30,844**	**$0**	**$30,844**
3a: Quarterly Reports	$2,046	$0	$2,046	$0	$2,046	$0	$6,138	$0	$6,138
3b: Annual Reports	$7,942	$0	$7,942	$0	$0	$0	$15,884	$0	$15,884
3c: Final Report	$0	$0	$0	$0	$8,822	$0	$8,822	$0	$8,822
4: Misc. Consultant Expenses	**$1,300**	**$0**	**$1,300**	**$0**	**$1,300**	**$0**	**$3,900**	**$0**	**$3,900**
5: Chula Vista Administration	**$0**	**$1,248**	**$0**	**$1,248**	**$0**	**$1,248**	**$0**	**$3,744**	**$3,744**
Sub Total	$98,343	$1,248	$47,969	$1,248	$43,524	$1,248	$189,836	$3,744	$193,580
Indirect Cost (__%)	$0	$0	$0	$0	$0	$0	$0	$0	$0
TOTAL	**$98,343**	$1,248	**$47,969**	$1,248	**$43,524**	$1,248	**$189,836**	$3,744	$193,580

Project Schedule

Please include start and end dates relative to the anticipated Notice to Proceed (assumes fall 2015) for each task described in the Scope of Work (section B above). Please list tasks for quarterly reporting on the status of the grant project and a final report on the outcome of the grant project. You may add or subtract rows as needed.

Exhibit C - Proposed Project Schedule (Assumes 9/2/15 NTP)

Task #	Task Name	Proposed Start Date "n" Months from NTP	Months Needed to Complete Task "n" Months from NTP	Task End Date
1a-d	**Implementation and Maintenance:**	**9/2/15**	**35 months**	**7/31/18**
1a	Site Preparation	**Year 1:** 0 Months from NTP	**Year 1:** 4 Months from NTP	**Year 1:** 12/31/2015
1b	Cactus Collection and Plantin	**Year 1:** 1 Month from NTP	**Year 1:** 5 Months from NTP	**Year 1:** 1/31/2016
1c	Seed Collection and Redistribution	**Year 1:** 6 Months from NTP **Year 2:** 12 Months from NTP **Year 3**: 24 Months from NTP	**Year 1:** 12 Months from NTP **Year 2:** 24 Months from NTP **Year 3:** 35 Months from NTP	**Year 1:** 9/01/2016 **Year 2:** 9/01/2017 **Year 3:** 07/31/2018
1d	Follow-up Maintenance	**Year 1:** 0 Months from NTP **Year 2:** 12 Months from NTP **Year 3:** 24 Months from NTP	**Year 1:** 12 Months from NTP **Year 2:** 24 Months from NTP **Year 3:** 35 Months from NTP	**Year 1:** 09/01/2016 **Year 2:** 09/01/2017 **Year 3:** 07/31/2018
2a-e	**Project Monitoring:**	**9/2/15**	**34 months**	**6/30/18**
2a	Pre-implementation Monitoring (Field Assessment)	**Year 1:** 0 Months from NTP	**Year 1:** 3 Months from NTP	**Year 1:** 11/30/2015
2b	Pre-implementation Monitoring (Cactus Wren Survey)	**Year 1:** 0 Months from NTP	**Year 1:** 3 Months from NTP	**Year 1:** 11/30/2015
2c	Pre-implementation Monitoring (Photo Monitoring)	**Year 1:** 0 Months from NTP	**Year 1:** 3 Months from NTP	**Year 1:** 11/30/2015
2d	Focused Coastal Cactus Wren Surveys	**Year 1:** 8 Months from NTP **Year 2:** 20 Months from NTP **Year 3:** 32 Months from NTP	**Year 1:** 10 Months from NTP **Year 2:** 22 Months from NTP **Year 3:** 34 Months from NTP	**Year 1:** 06/30/2016 **Year 2:** 06/30/2017 **Year 3:** 06/30/2018
2e	Follow-up Vegetation Monitoring	**Year 1:** 6 months from NTP **Year 2:** 18 months from NTP **Year 3:** 30 months from NTP	**Year 1:** 9 months from NTP **Year 2:** 21 months from NTP **Year 3:** 33 months from NTP	**Year 1:** 5/31/2016 **Year 2:** 5/31/2017 **Year 3:** 5/31/2018
3a-c	**Reporting:**	**11/2/15**	**36 months**	**9/2/18**
3a	**Quartterly Reports (QR)**	**Year 1** **QR1:** 3 months from NTP **QR2:** 6 months from NTP **QR3:** 9 months from NTP **Year 2** **QR1:** 15 months from NTP **QR2:** 18 months from NTP **QR3:** 21 months from NTP **Year 3** **QR1:** 27 months from NTP **QR2:** 30 months from NTP **QR3:** 33 months from NTP	**Year 1** **QR1:** 4 months from NTP **QR2:** 7 months from NTP **QR3:** 10 months from NTP **Year 2** **QR1:** 16 months from NTP **QR2:** 19 months from NTP **QR3:** 22 months from NTP **Year 3** **QR1:** 28 months from NTP **QR2:** 31 months from NTP **QR3:** 34 months from NTP	**Year 1** **QR1:** 1/01/2016 **QR2:** 4/01/2016 **QR3:** 7/01/2016 **Year 2** **QR1:** 1/01/2017 **QR2:** 4/01/2017 **QR3:** 7/01/2017 **Year 3** **QR1:** 1/01/2018 **QR2:** 4/01/2018 **QR3:** 7/01/2018
3b	**Annual Report**	**Year 1:** 11 months from NTP **Year 2**: 23 months from NTP	**Year 1:** 12 months from NTP **Year 2:** 24 months from NYP	**Year 1:** 9/1/16 **Year 2:** 9/1/17
3c	**Final Report**	35 months from NTP	36 months from NTP	9/01/2018
4	**Misc. Consultant Expense**	**9/2/15**	**35 months**	**7/31/18**
5	**Chula Vista Administration**	**9/2/15**	**36 months**	**9/2/18**

Notes: Please explain why and how much additional time would be needed in the event of any delays due to NTP being provided beyond fall 2015 and/or unexpected weather conditions such as drought that could occur during the proposed project implementation.

NOTICE REGARDING PREVAILING WAGES

SANDAG's EMP Land Management Grant Program projects are funded with *TransNet* revenues consistent with the *TransNet* Extension Ordinance adopted by the voters in November 2004 (SANDAG Ordinance 04-01). Although SANDAG Ordinance 04-01 does not require payment of prevailing wages, California law may require that public works projects pay prevailing wages for workers.

Applicant acknowledges that SANDAG has strongly encouraged Applicant to seek legal counsel regarding whether the Proposed Project will require applicant to pay prevailing wages and agrees that SANDAG will have no liability for conducting this analysis. ☒ Yes ☐ No

Applicant acknowledges that if awarded an EMP Land Management Grant, the grant agreement between SANDAG and the grantee requires grantee's compliance with all federal, state and local laws and ordinances applicable to the Agreement. ☒ Yes ☐ No

REQUIRED STATEMENTS FROM APPLICANT

☒ Yes ☐ No The applicant has read and understands the Sample Grant Agreement (Agreement) and Invoice Template (Attachment C).

☒ Yes ☐ No If the SANDAG Board of Directors approves the proposed project proposal, the proposed applicant agrees to sign and return the Agreement to SANDAG, without exceptions or amendments, within 45 days of receipt.

☒ Yes ☐ No The applicant agrees to comply with SANDAG's Board Policy No. 035 "Competitive Grant Program Procedures," which outlines "Use-it-or-lose-it" project milestone and completion deadlines. Board Policy No. 035 is included in the Agreement, and is also on SANDAG's website at the following link: http://www.sandag.org/organization/about/pubs/policy_035.pdf

☒ Yes ☐ No The applicant understands that ten percent (10%) of all invoices will be retained until the completion of the proposed project.

☒ Yes ☐ No The applicant understands that for proposed projects with matching funds, retention will be withheld beyond the ten percent (10%) retention for each invoice submittal that does not meet the proportionate matching funds requirement. These additional matching funds retained will not be released until the proportionate matching funds are reached for the project to-date.

☒ Yes ☐ No The applicant understands that all invoices must be accompanied by written, documented support of the charges for both requested reimbursement of grant funds and matching funds and payment will not be made by SANDAG until all documents are satisfactorily submitted.

☒ Yes ☐ No The applicant understands that invoices and reports must be submitted on a quarterly basis within three weeks after the period covering January 1 to March 31; within three weeks after the period covering April 1 to June 30; within three weeks after the period covering July 1 to September 30; and within three weeks after the period covering October 1 to December 31.

☒ Yes ☐ No The applicant understands that the final invoice must be accompanied by written, documented support of the charges for both requested reimbursement of grant funds and matching funds; a final report; and all outstanding deliverables in order to receive final payment and have retained funds released.

☒ Yes ☐ No The applicant understands that to be considered eligible for funding, a resolution complying with the requirements of Board Policy No. 035, Section 4.1, must be submitted to SANDAG at least **two weeks** prior to the recommendation by the Regional Planning Committee of the list of prioritized project proposals. SANDAG will provide applicants with advance notice of the Regional Planning Committee's anticipated meeting date.

☒ Yes ☐ No The applicant agrees to submit all project data/information to SANDAG in a format compatible with the regional management database.

I have the authorization to submit this proposal (Grant Application Form and required supplementary materials) on behalf of my organization.

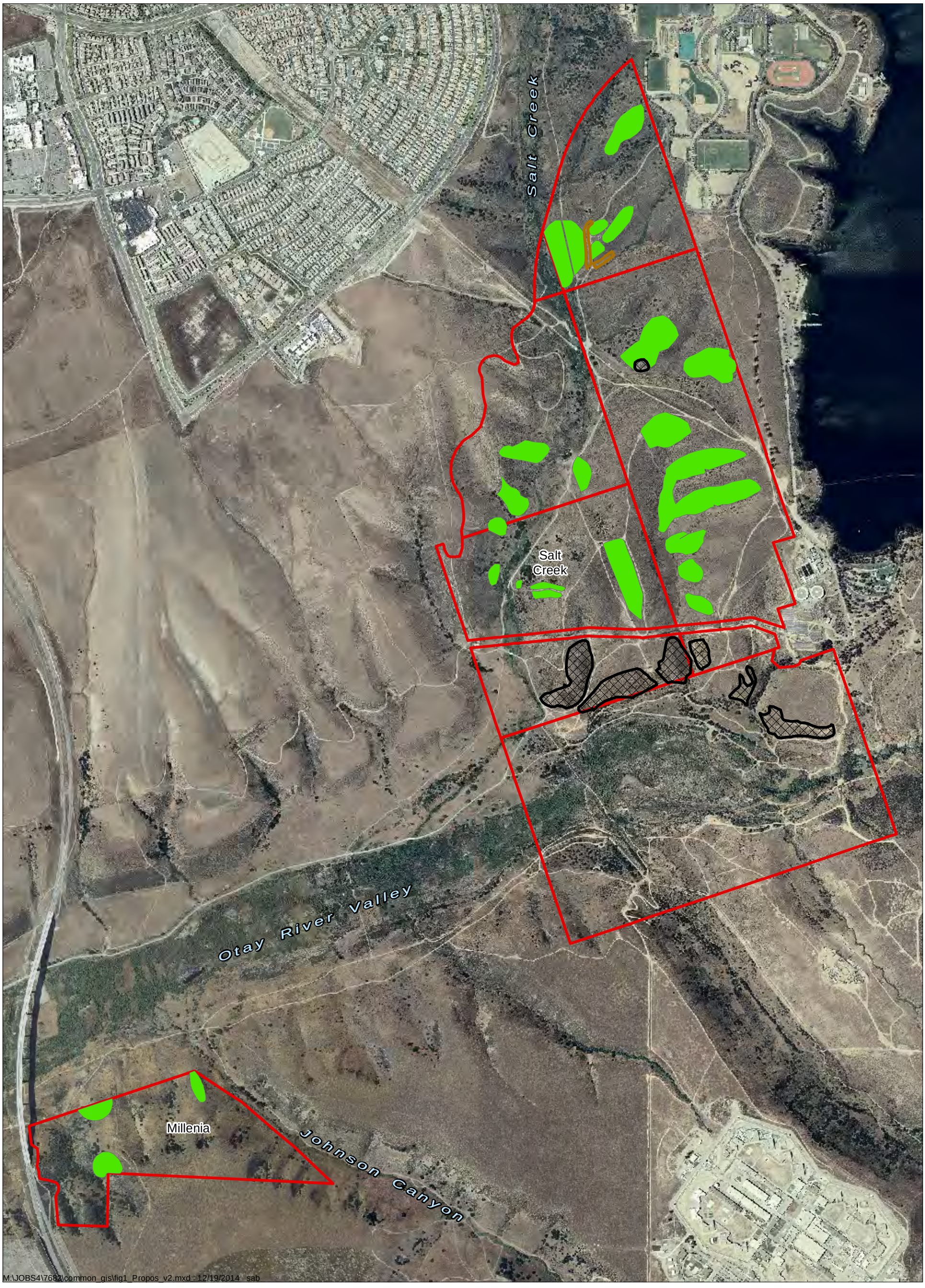
Gary Halbert / City Manager

Applicant Name/Title (print or type)

Gary Halbert 12/23/14

Applicant Signature **Date**

Image source: SanGIS (flown May 2012)



0 Feet 1,200

Otay Ranch Preserve Parcels

Previous Efforts Funded by TransNet (Not Part of This Proposal)

Cactus Wren Habitat Restoration Area (City of Chula Vista EMP Grant 5001970; ending summer 2015)

Cactus Wren Habitat Restoration Area (County of San Diego Parks and Recreation Department EMP Grant; ended summer 2014)

Seventh Cycle TransNet EMP Grant

Potential Restoration and Enhancement Areas

CITY OF CHULA VISTA

FIGURE 1

Potential Cactus Wren Restoration Areas
At Salt Creek and Millenia Parcels